

Abstract

What is proposed is a mixer for mixing at least two flows of gas or other Newtonian liquids.

5 What is provided is a main flow channel (1) through which a first flow of gas passes, with an incorporated surface (7) that is arranged therein and which affects the flow. This incorporated surface (7) is a vortex-generating disc with leading edges (8) that are oriented against the flow and about which the flow can move freely; its shape generates a component that acts in the direction of the main flow (9) of the gas flow as well as a component that acts transversely thereto. In order to ensure that an additional gas or liquid component is mixed in rapidly, 10 provision is made such that the incorporated structure surface (7) has a chamber (13, 13a, 13b) into which a separate flow channel (5) for a second gas flow leads; and in that the chamber (13, 13a, 13b) has outlet openings (12) into the first gas flow on the rear side (10) of the incorporated surface (7) that faces away from the first gas flow.

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(Figure 1)